

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

FEB 02 2004

Use as many sheets as necessary


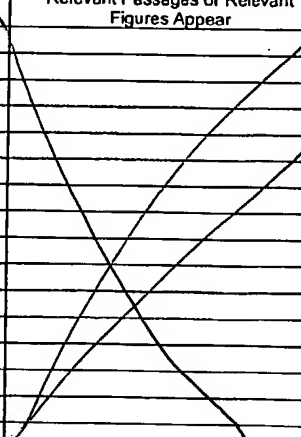

Sheet 1 of 2

## Complete if Known

Application Number	10/727,937
Filing Date	December 3, 2003
First Named Inventor	Jing C. Chang et al.
Group Art Unit	Unassigned 1774
Examiner Name	Unassigned
Attorney Docket Number	CH-2775 US NA

## U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US - 3,264,272	08-02-1966	Rees	
		US - 4,131,595	12-26-1978	Breitenfellner et al.	
		US - 4,410,473	10-18-1983	Iohara et al.	
		US - 4,454,196	06-12-1984	Iohara et al.	
		US - 4,475,330	10-09-1984	Kimura et al.	
		US - 5,645,782	07-08-1997	Howell et al.	
		US - 5,662,980	09-02-1997	Howell et al.	
		US - 6,232,400	05-15-2001	Howell et al.	
		US - 6,242,091	06-05-2001	Howell et al.	
		US - 6,287,688	09-11-2001	Howell et al.	
		US - 2001/30377 A1	10-18-2001	Howell et al.	
		US - 2001/33929 A1	10-25-2001	Howell et al.	
		US - 2002/17735 A1	02-14-2002	Schwind et al.	
		US - 2002/71951 A1	06-13-2002	Hernandez et al.	
		US - 2002/116802 A1	08-29-2002	Moerman et al.	
		US - 2004/0001950 A1	01-01-2004	Chang et al.	
		US -			
		US -			
		US -			

## FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
[Signature]		GB 1565959	04-23-1980	General Electric	[X]	<input type="checkbox"/>
		JP 56-091013	07-23-1981	Teijin KK		<input checked="" type="checkbox"/>
		JP 57-128216	08-09-1982	Kuraray Co., Ltd.		<input checked="" type="checkbox"/>
		JP 5-163618	06-29-1993	Toray Industries Inc.		<input checked="" type="checkbox"/>
		JP 6-257014	09-13-1994	Kuraray Co. Ltd.		<input checked="" type="checkbox"/>
		JP 2887311	04-26-1999	Toray Industries Inc.		<input checked="" type="checkbox"/>
		JP 11-189925	07-13-1999	Toray KK		<input checked="" type="checkbox"/>
		WO 02-22927	03-21-2002	DuPont		<input type="checkbox"/>
						<input type="checkbox"/>

Examiner  
Signature

Date  
Considered

9/04

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Substitute for Form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

### Complete if Known

Application Number	10/727,937
Filing Date	December 3, 2003
First Named Inventor	Jing C. Chang et al.
Group Art Unit	Unassigned 1774
Examiner Name	Unassigned
Attorney Docket Number	CH-2775 US NA

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		U.S. Patent Application No. 10/193,498, filed July 11, 2002. (Attorney Docket # SO-0012)	<input type="checkbox"/>
		Richard W. Rees, "Ionomers", 14 Kirk-Othmer Encyclopedia of Chemical Technology 815-829 (John Wiley & Sons 1995)	<input type="checkbox"/>
		Robert D. Lundberg, "Ionic Polymers", 8 Encyclopedia of Polymer Science and Engineering 393-423 (John Wiley & Sons 1985)	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Examiner  
Signature

Date  
Considered

9/04

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.